Docket No.: 1242.1031-003 Title: Expression Cloning Using a Tagger Leonard I. Zon et al. nventors: Prepare tagged cDNA expression library Obtain bacterial clones of tagged cDNA constructs Array clones $\hat{\mathbb{U}}$ Pool predetermined number of clones and Isolate plasmid DNA from pools of clones (miniprep) Transfect mammalian cells Allow expression of tagged polypeptides Assay for a biochemical activity of interest using isolation or detection via the tag Select pools for Sib Selection Repeat until a single cDNA construct having the biochemical activity of interest is obtained

Figure 1

1242.1031-003

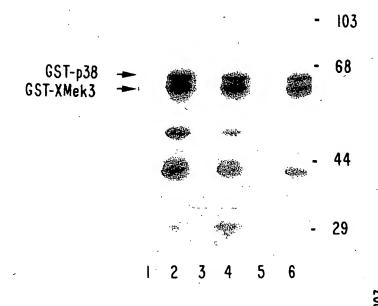
Title: Expression Cloning Using a Tagged

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pEBG-p38 Representation GST-XMek3

1:100 1:200 1:400

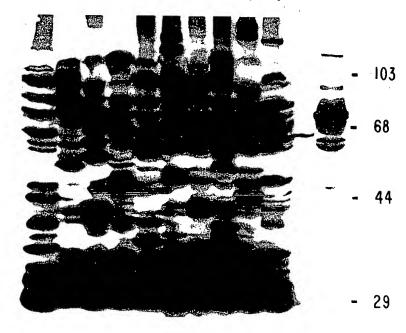
FIG. 2



Pool# | 2 3 4 5 6 7 8 9 10 - 2

FIG. 3

1005145E . O1180E



1 2 3 4 5 6 7 8 9 10 11 12

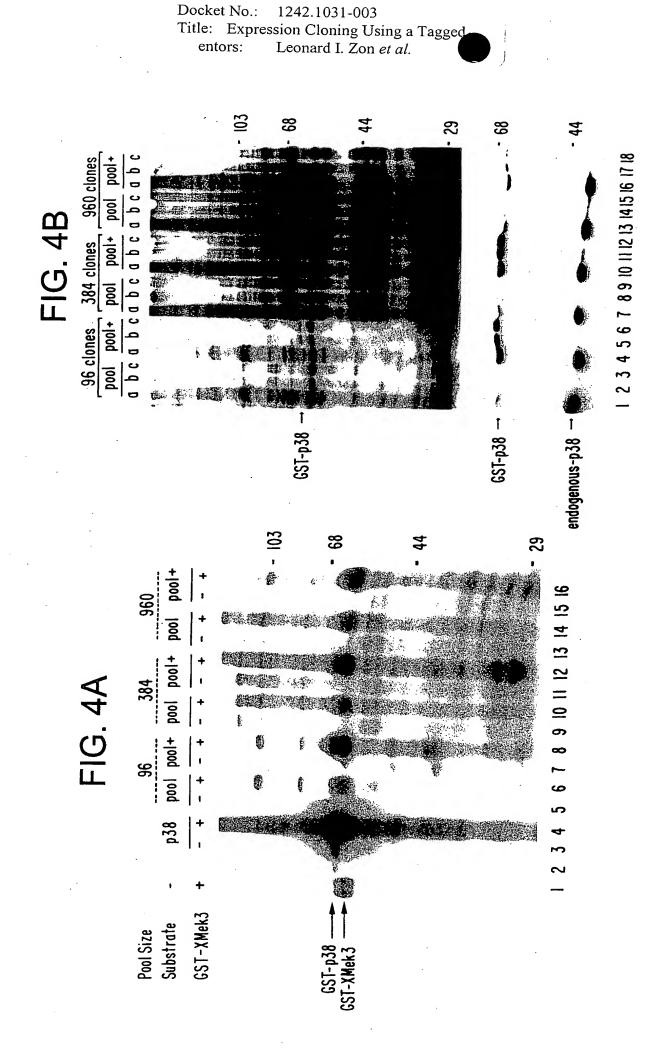
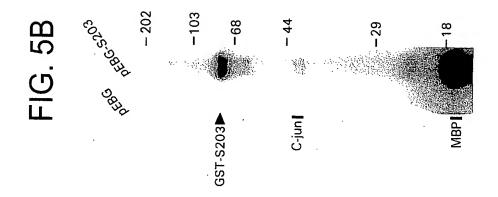
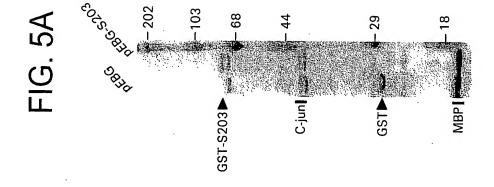


FIG. 4C

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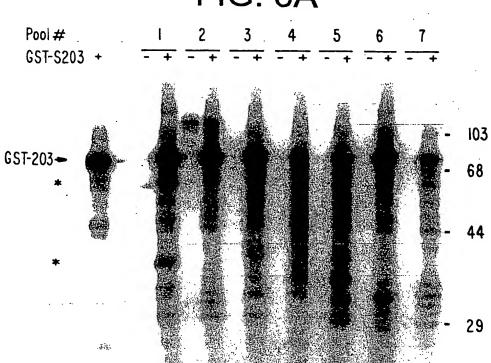


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2 3 4 5 6 7 8 9 10 11 12 13 14 15

FIG. 6B

Pool 1 Subpool A Subpool B Subpool C

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